

Figure 1 -
Prior Art

6

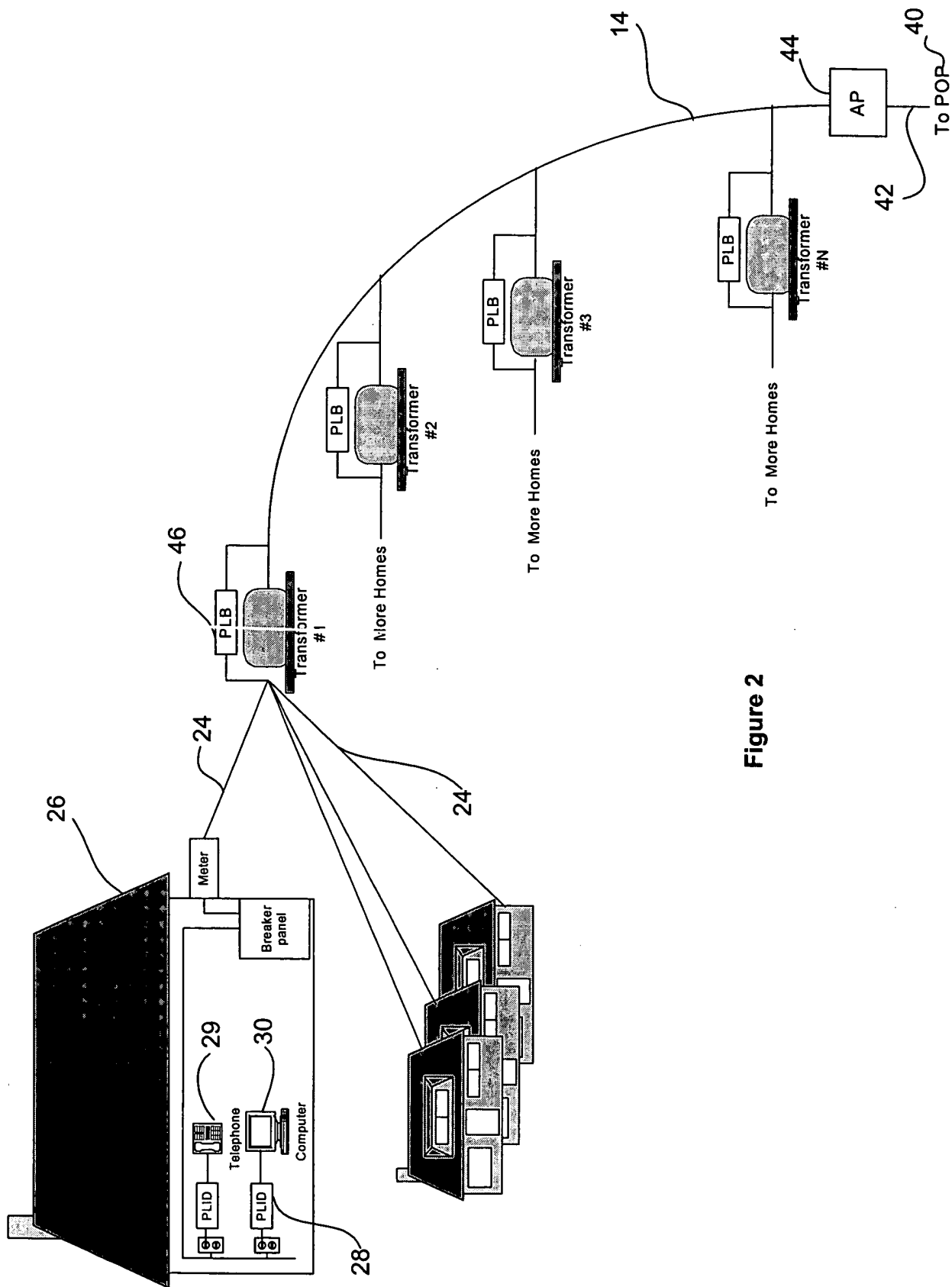


Figure 2

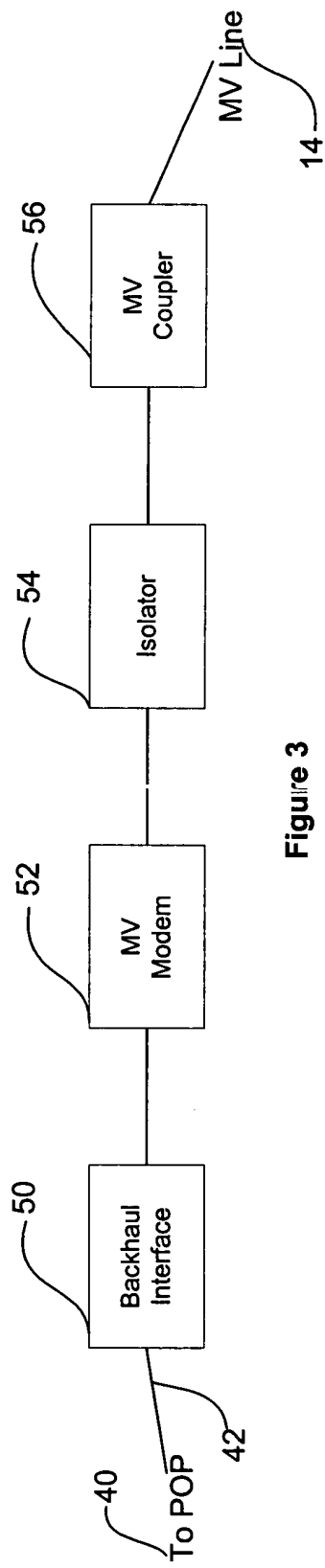


Figure 3

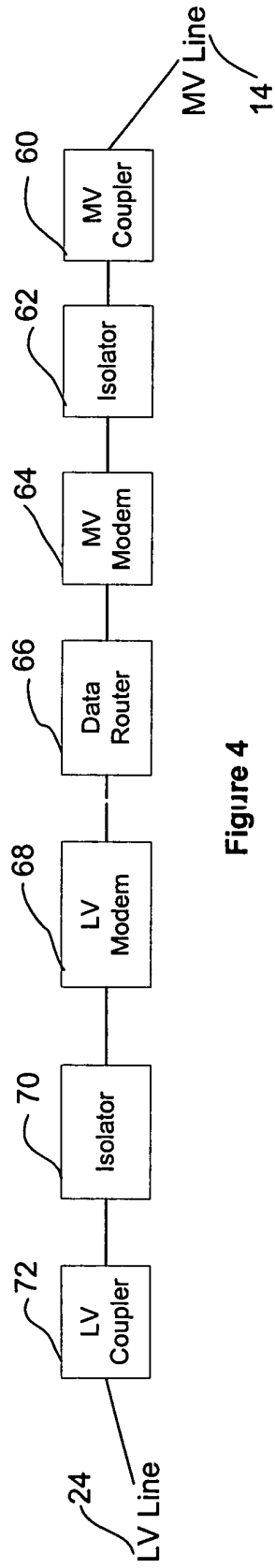


Figure 4

Figure 5 is a schematic diagram of a power line coupler device (PLCD) system. The diagram shows a power line 14 running horizontally across the top. A PLCD 100 is connected to the power line. A fiber optic cable 120 runs vertically down from the PLCD, passing through a fiber optic isolator 20. The cable 120 is connected to a communications interface 140. The interface 140 is connected to a transformer 140, which is connected to a 120/240V Power Line 24. The interface 140 is also connected to a Wireless Link 150 and a Telephone 160.

Figure 5

FIG. 6

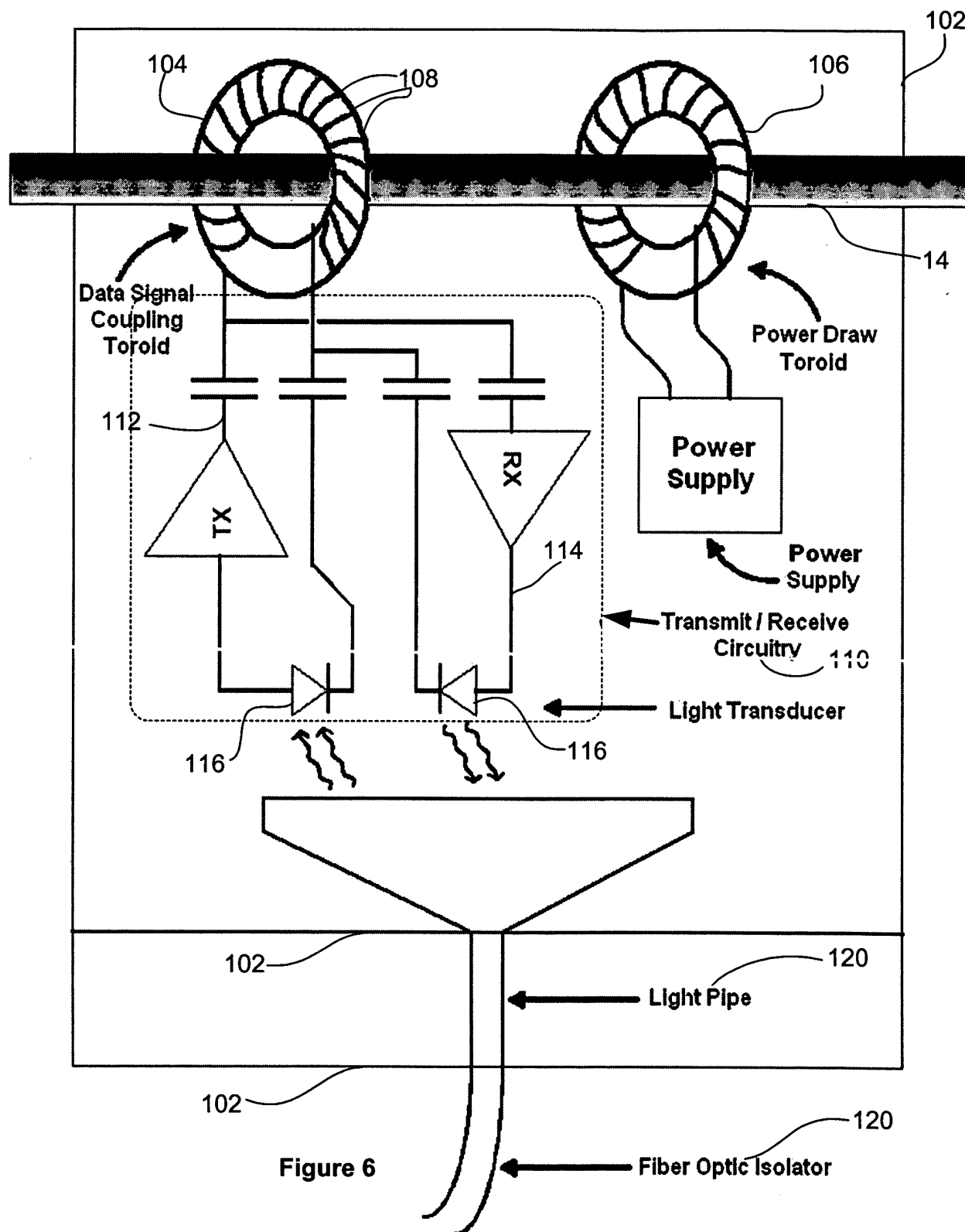


Figure 6